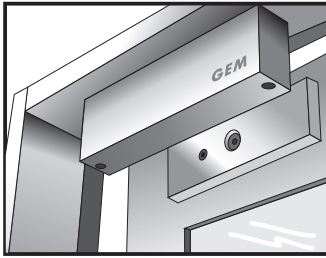


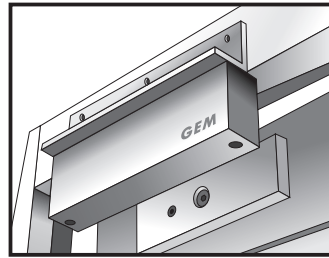
Electromagnetic Lock Installation Instruction (Waterproof Series)

Optional Bracket

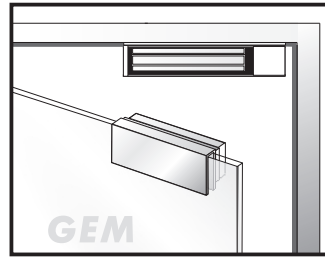
Brackets installation are according to door swing direction and door frame type , e.g. narrow frame door , frameless glass door , inswing door , etc.



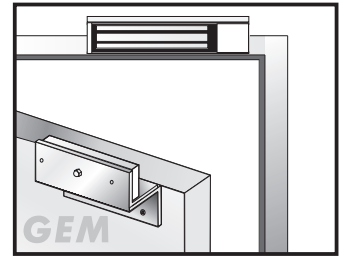
Regular Installation
(outswing door)



With L-bracket for
narrow frames (optional)

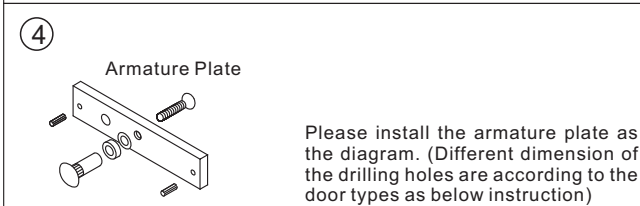
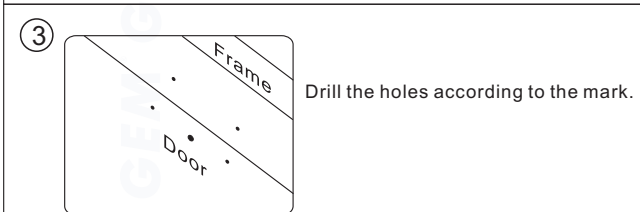
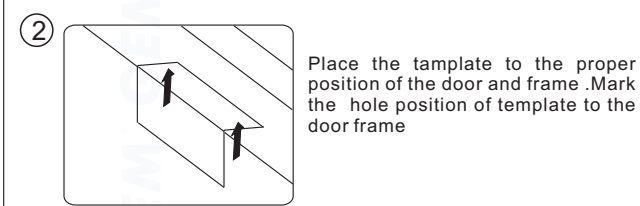
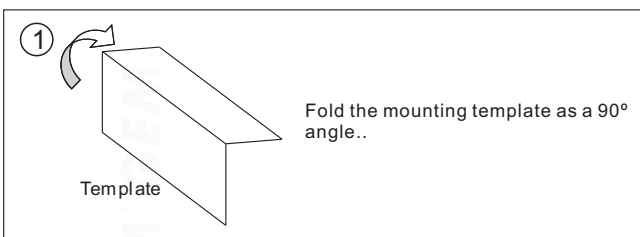


With U-bracket for frameless
glass door (optional)

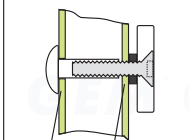


With LZ-bracket for
inswing door (optional)

Regular Installation

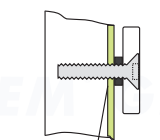


Hollow Metal Door



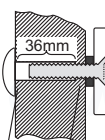
Drill a $\varnothing 8\text{mm}$ hole through door, from sexnut bolt side enlarge to $\varnothing 12.7\text{mm}$.

Reinforced Door



Drill a $\varnothing 6.8\text{mm}$ hole and tap for M8x1.25 thread.

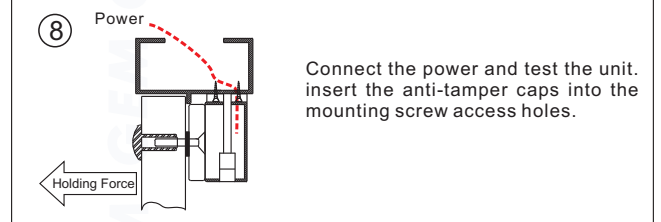
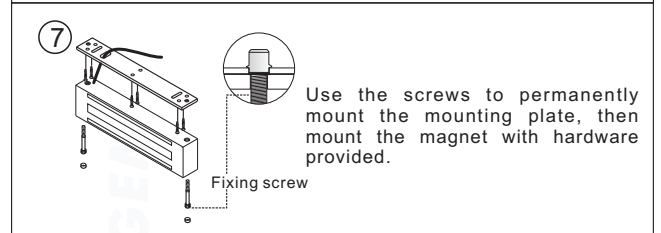
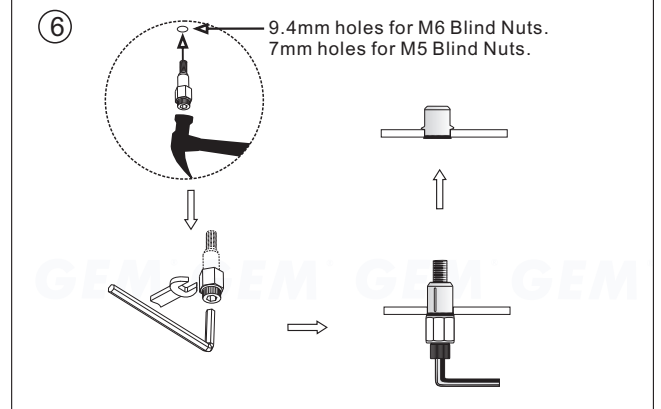
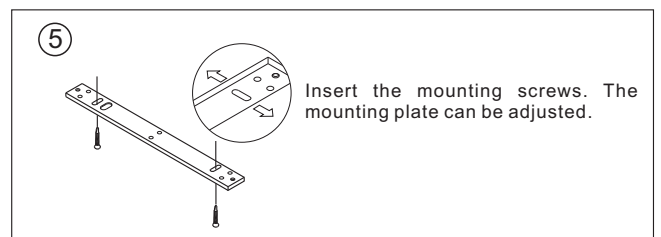
Solid Door



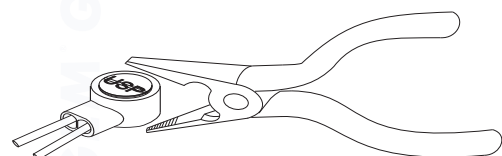
Drill a $\varnothing 8\text{mm}$ hole through door from sexnut bolt side enlarge to $\varnothing 12.7\text{mm}$, 36mm in depth.

Note:

Maxi EM-locks (1200 LBS) maximum thickness of door is 46mm.
Midi EM-locks (800 LBS) maximum thickness of door is 48 mm.
Mini EM-locks (600 LBS) maximum thickness of door is 50 mm.
Micro EM-locks (300 LBS) maximum thickness of door is 44 mm.

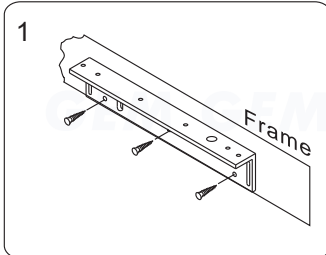


Butt Splice(IDC) Connector

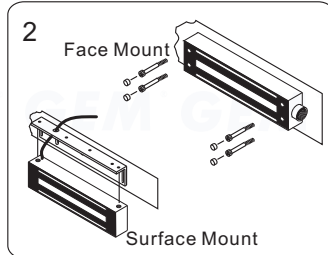


Using crimpers or pliers and pressing the header of connector down to even position.

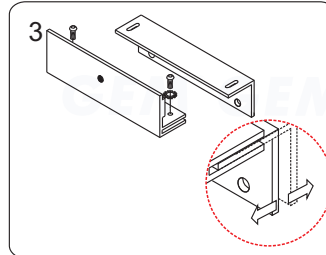
With LZ or Z bracket for inswing doors



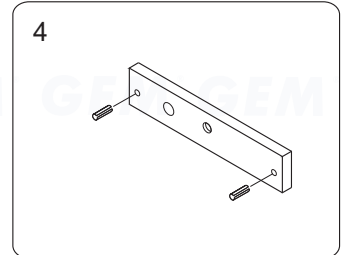
Find a mounting position on the door frame for the L bracket. Make sure that the door is still closeable.



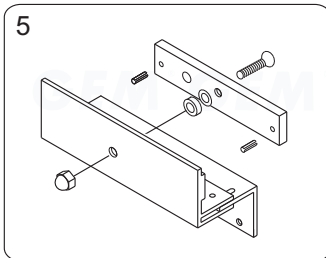
Use the fixing bolt to tighten the electromagnet lock on L bracket. (For face mount, the magnet lock can be mounted directly on the door frame)



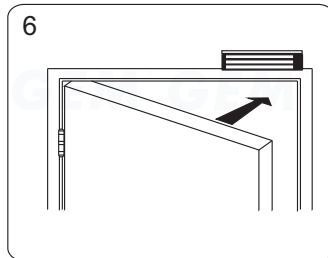
Assemble the Z bracket, and make sure that the Z bracket is adjustable.



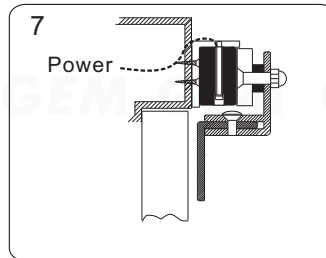
Insert the guide pins into the armature plate.



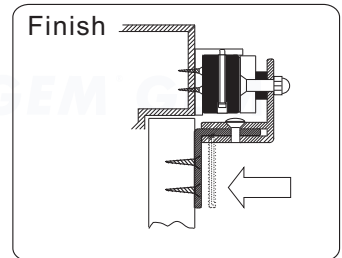
Assemble the armature plate (Must add rubber washer)



Close the door and connect the power



Test the tightness and adjust the Z bracket to fit the door.



Lock tighten the Z bracket. Connect the power and test the unit.

Connecting Diagram

Wire Leads	Voltage	Bond sensor output
2C Wire Leads Single voltage (Power input is polarity free)	12 VDC: Black, Red 24 VDC: Black, White 	
4C Wire Leads: Dual voltage (Power input is polarity free)	Voltage Selection: 12 VDC Voltage Selection: 24 VDC 	
5C Wire Leads Bond Sensor Output (Power input is polarity free)		Bond sensor output Indicates the locked or indicates the door is open or closed N.C. unlocked status N.O. (Relay rated 0.5/20VDC) White:N.C. Black:COM. Red:N.O.
6C Wire Leads Dual voltage and Bond Sensor Output (Power input is polarity free)	Voltage Selection: 12 VDC Voltage Selection: 24 VDC 	Bond sensor output Indicates the locked or or indicates the door is open or closed N.C. unlocked status N.O. (Relay rated 0.5A/20VDC) Blue:COM. Yellow:N.O.
7C Wire Leads Dual voltage and Bond Sensor Output (Power input is polarity free)	Voltage Selection: 12 VDC Voltage Selection: 24 VDC 	Bond sensor output Indicates the locked or or indicates the door is open or closed N.C. unlocked status N.O. (Relay rated 0.5A/20VDC) Yellow:N.O. Blue:COM. Orange:N.C.